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JAPANESE PATENT OFFICE

# PATENT ABSTRACTS OF JAPAN

(11) Publication number: 62083849 A

(43) Date of publication of application: 17.04.1987

(51) Int. Cl. A23J 1/02  
A23J 1/10

(21) Application number: 60222289  
(22) Date of filing: 04.10.1985

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## (54) METHOD OF PURIFYING COLLAGEN

### (57) Abstract:

**PURPOSE:** To obtain high-purity collagen in high yield, by extracting and removing substances except collagen from collagen-containing animal tissue with a dilute alkali solution having  $\leq$  a given concentration, to remove non-collagen substance efficiently.

**CONSTITUTION:** Collagen-containing animal tissue obtained by grinding or fine crushing by a common

device and method is blended with  $\leq 1.0$  N, preferably  $\leq 0.5$  dilute alkali solution by stirring, shaking, etc. NaOH, KOH, etc., are used as the alkali. Non-collagen substances are extracted in the alkali solution by the blending treatment and removed, to give high-purity collagen as an extraction residue. The alkali treatment is carried out preferably at  $\leq$  room temperature usually. When unmodified collagen is purified, a temperature condition not to denature collagen by heat is required.

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